

## NS-10 VEHICLE AND EQUIPMENT MAINTENANCE



### BMP Objectives

- ☐ Perimeter Control
- ☐ Slope Protection
- ☐ Borrow and Stockpiles
- ☐ Drainage Areas
- ☐ Sediment Trapping
- ☒ Stream Protection
- ☐ Temporary Stabilizing
- ☐ Permanent Stabilizing

### Definition and Purpose

Vehicle and equipment maintenance consists of procedures and practices to prevent the discharge of pollutants to the storm drain systems or to watercourses from vehicle and equipment maintenance procedures.

### Appropriate Applications

These procedures are applied on all construction projects where an on-site yard area is necessary for storage and maintenance of heavy equipment and vehicles.

### Design Parameters

- Drip pans or absorbent pads shall be used during vehicle and equipment maintenance work that involves fluids, unless the maintenance work is performed over an impermeable surface in a contained, dedicated maintenance area.
- Dedicated maintenance areas shall be protected from stormwater run-on and runoff, and shall be located at least 15 meters (50 feet) from downstream drainage facilities and watercourses.
- Drip pans or plastic sheeting shall be placed under all vehicles and equipment placed on docks, barges, or other structures over water bodies when the vehicle or equipment is planned to be idle for more than 1 hour.
- Absorbent spill clean-up materials shall be available and clearly identified in maintenance areas and shall be disposed of properly after use. Substances used to coat asphalt transport trucks and asphalt-spreading equipment shall be non-toxic.
- Off-site maintenance facilities shall be used whenever practical.
- For long-term projects, constructing roofs or using portable tents over maintenance areas shall be considered.
- Tires, batteries, petroleum products and spill cleanup materials shall be properly disposed of or recycled.
- Fluid leaks shall be repaired immediately.

- Impermeable spill containment dikes or secondary containment shall be provided around stored oil and chemical drums.

**Maintenance and Inspection**

- Inspections shall be conducted as required by the NPDES permit or contract specifications.
- Leaks shall be repaired immediately, or the vehicle, equipment, or container shall be removed from the project site or replaced.
- Damaged hoses and leaky gaskets shall be repaired or replaced as needed.